



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

15 W Yakima Ave, Ste 200 • Yakima, WA 98902-3452 • (509) 575-2490

March 20, 2012

Oroville School District
c/o Steve Quick
816 Juniper Street
Oroville, WA 98844-9373

RE: Temporary Authorization No. G4-33053; for a heat pump system to serve a public elementary school.

On February 21, 2012, Oroville School District (District) applied to the Department of Ecology (Ecology) seeking approval for a Temporary Authorization to appropriate ground water at a rate of 210 gallons per minute (gpm) for a heat pump system to serve a public elementary school in Okanogan County.

The ground water heat pump system currently consists of one extraction well, one injection well, water piping and heat exchangers. Water is pumped from the extraction well at a rate of 190 gpm, run through the heat exchanger and injected back into the aquifer through the injection well. The current extraction well is drilled to a depth of 33 feet. The current injection well is believed to be at similar depth. By returning the water back into the same body of ground water the proposed use is considered to be non-consumptive.

The District has also applied for a permanent ground water right (G4-35014) on April 29, 2005. Subsequently a temporary authorization (G4-35014T) was issued on May 20, 2005 to meet the immediate needs of the District. G4-35014T expired on December 31, 2009.

The new temporary request (G4-33053) is to continue using the original wells and drill two new wells. One well will be used as a new extraction or injection well and one well will be used to monitor the aquifer for changes in water level and temperature. The monitoring well is intended to be incorporated into the system at a later date as either an extraction or injection well.

Public Interest

The project is to adequately heat and cool a public elementary school in Okanogan County in a more efficient and economical way. By utilizing the heat pump it will lower the heating and cooling costs of the District and be a benefit to the citizens of the City of Oroville.

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Proposed Use

The proposed withdrawal of 210 gpm up to 339 acre-feet per year is for a non-consumptive use for the purpose of heating and cooling.

Availability and Impairment

The applicant is proposing to withdraw water from up to two extraction wells and then returning the water back into the aquifer with up to two injection wells. The applicant is already utilizing one extraction well and one injection well. The two wells that are already in use and the two proposed wells will be completed in the alluvial aquifer within the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28, T. 40 N., R 27 E.W.M. These wells are in continuity with the Similkameen River.

By drilling the two new wells into the same aquifer and staying in continuity with the Similkameen River, water for the non-consumptive use is available and the potential for impairment is minimized.

Conclusions and Decision

The water proposed for this temporary use is available for the proposed project, is a beneficial use, can take place on a temporary basis without impairing existing water rights and is not contrary to the public interest.

Provisions

This Temporary Authorization has the following conditions:

1. The priority date for this Temporary Authorization is February 21, 2012.
2. If the applicant fails to comply with the terms of this Temporary Authorization, it may be revoked.
3. The issuance of this Temporary Authorization in no way guarantees a standard permit will be issued.
4. Water withdrawal may take place continuously starting March 20, 2012 to December 31, 2019.
5. The duration of the Temporary authorization shall expire on **January 1, 2019** or until issuance of permanent authorization under Water Right No. G4-35014, whichever occurs first.
6. The withdrawal will be from two existing wells and two new wells located within the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 28, T. 40 N., R 27 E.W.M. Okanogan County
7. The water will be used for a year round, non-consumptive heat pump system.

8. The place of use for this project is 808 Main St. Block 72 addition to the City of Oroville, Parcel No. 2040680000, located in the SW¼SE¼ Section 28, T. 40 N., R 27 E.W.M. Okanogan County
9. Withdrawal shall not exceed 210 gpm and is not to exceed 339 acre-feet per year during the permitted period.
10. The operator of the system under this authorization shall:
 - a. Have a copy of the Temporary Authorization.
 - b. Be aware of the parameters and provisions and operate accordingly.
 - c. Provide said copy as evidence of this Temporary Authorization upon request by Department of Ecology staff.
 - d. Tag either the pump or power panel at the withdrawal site with Permit No. G4-33053.
11. Water use data shall be recorded weekly and shall be submitted to Department of Ecology, Central Region Office, Water Resources Program by January 31 each year of the permit.
12. At a minimum, the following information shall be included with the submitted water use data: owner, contact name if different, mailing address, daytime phone number, WRIA 49, Temporary Permit No. G4-33053, instantaneous and annual quantities water volume extracted and volume injected including units of measurement. In the future, Ecology may require additional parameters to be reported or more frequent reporting.
13. Ecology personnel, upon presentation of proper credentials, shall have access at reasonable times to the records of water use that are kept to meet the above conditions, but only to the extent otherwise allowed by law.
14. This Temporary Authorization shall in no way excuse the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including those administered by other programs of the Department of Ecology.
15. The issuance of this Temporary Authorization does not convey a right of access to or other right to use land, which you do not legally possess. Obtainment of such a right is a private matter between the applicant and owner of that land.
16. The water sources and/or water transmission facilities may not be located entirely upon the land owned by the applicant. Therefore, the applicant is advised that issuance of a permit by Ecology for appropriation of the waters in question does not convey a right of access to, or other right to use, land which the applicant does not legally possess.

YOUR RIGHT TO APPEAL

You have a right to appeal this Decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Decision. The appeal process is governed by

Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2).

To appeal you must do all of the following within 30 days of the date of receipt of this Decision:

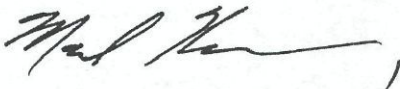
- File your appeal and a copy of this Decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours.
- Serve a copy of your appeal and this Decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia WA 98504-7608
Pollution Control Hearings Board 1111 Israel Road SW, Suite 301 Tumwater WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia WA 98504-0903

Sincerely,



Mark Kemner
Water Resources Program

MK:EH:ss
120310

Enclosures: Water Measuring Requirements
Your Right To Be Heard

cc: Michael O'Conner

Certified: 7009 2250 0004 4952 1583